BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

(25)

Name of Work : Improvements of Concrete Roads and Drains at Byatarayanapura in Ward No. 7 at Kodigehalli Sub Division.

Estimate Cost : Rs. 13.00 Lakhs

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
1	Removing B.S.Slab drain and stacking **(Page No. 24 & Item No. 5.32)**	**Sqm**							
			2	80.00		1.35	216.00		
							216.00	**42.77**	**9237.89**
	Basic Rate	39.60							
	Area Weightage @ 8%	3.17							
	Total	42.77							
2	KSRRB 300-1.1 : Earthwork excavation by manual means in **hard soil** involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. Specification No.KRBS 300-1 MORT & H Specification No.301 to 305 **(Page No. 126, Item No.19.1)**	**Cum**							
	R. C. C. Drain		1	50.00	1.00	0.80	40.00		
	B. S. Reset Drain		2	80.00	0.75	0.50	60.00		
	R. C. C. Drain		1	59.00	1.00	0.80	47.20		
	Shabari Bakery Side Roads		1	80.00	5.60	0.20	89.60		
	"		1	59.00	3.50	0.20	41.30		
	"		1	75.00	3.20	0.15	36.00		
	"		1	30.00	5.70	0.20	34.20		
							348.30	**129.60**	**45139.68**
	Basic Rate	120.00							
	Area Weightage @ 8%	9.60							
	Total	129.60							
3	Refixing stone slabs of drains and pointing in C.M. (1:3) **(Page No. 24 & Item No. 5.33)**	**Sqm**							
			Qty. Vide Item No. 1 (70%)				151.20		
							151.20	**51.30**	**7756.56**
	Basic Rate	47.50							
	Area Weightage @ 8%	3.80							
	Total	51.30							
4	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete **do 10 cms** thick	**Sqm**							

			Qty. Vide Item No. 1 (30%)				64.80		
							64.80	**304.56**	**19735.49**
	Basic Rate	282.00							
	Area Weightage @ 8%	22.56							
	Total	304.56							
5	KSRRB 2900-4.1: Providing and laying in position **plain cement concrete mix 1:4:8** with stone aggregate 40mm and down size in foundation upto a depth of 2m below ground level and upto a height of 1.5m above ground level / bed level machine mixed, concrete laid in layers not exceeding 15cms thick well compacted, cost of all materials, labour, HOM of machineries, curing complete as per specifications. **(Page.12 & Item No. 4.3)**	**Cum**							
	R. C. C. Drain		1	50.00	0.90	0.10	4.50		
	R. C. C. Drain		1	59.00	0.90	0.10	5.31		
	Shabari Bakery Side Roads		1	80.00	5.60	0.10	44.80		
	"		1	59.00	3.50	0.10	20.65		
	"		1	75.00	3.20	0.10	24.00		
	"		1	30.00	5.70	0.10	17.10		
							116.36	**3349.08**	**389698.95**
	Basic Rate	3101.00							
	Area Weightage @ 8%	248.08							
	Total	3349.08							
6	KSRB 4-1.5 : Providing and laying in position **plain cement concrete** of mix **1:1.5:3** using 20mm and down size graded granite metal, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 **(Page No. 12 & Item No. 4.11).**	**Cum**							
	Shabari Bakery Side Roads		1	80.00	5.60	0.10	44.80		
	Road		1	59.00	3.50	0.10	20.65		
	"		1	75.00	3.20	0.10	24.00		
	"		1	30.00	5.70	0.10	17.10		
							106.55	**4833.00**	**514956.15**
	Basic Rate	4475.00							
	Area Weightage @ 8%	358.00							
	Total	4833.00							

7	KSRB 4.2.2 : Providing and laying in position **reinforced cement concrete** of mix **1:1.5:3** with 20mm and down size graded granite metal, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.6. **(Page No. 12 & Item No. 4.11)**	**Cum**							
	R. C .C. Drain		1	59.00	1.80	0.10	10.62		
	R. C .C. Drain		1	50.00	1.80	0.10	9.00		
	Covering Slabs		~~170~~	0.80	0.60	0.10	8.16		
							27.78	**4902.12**	**136180.89**
	Basic Rate	4539.00							
	Area Weightage @ 8%	363.12							
	Total	4902.12							
8	KSRB 4.9.2 : Providing **T.M.T. Steel reinforcement for R.C.C.** work including straightening, cutting, bending, hooking , placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3. **(Page No. 16 & Item No. 4.46)**								
	0.70/cum		**Qty. Vide Item No. 7**				**19.45**	**5204.52**	**101207.10**
	Basic Rate	4819.00							
	Area Weightage @ 8%	385.52							
	Total	5204.52							
9	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2								
			4	59.00		0.60	141.60		
			4	50.00		0.60	120.00		
							261.60	**199.80**	**52267.68**
	Basic Rate	185.00							

	Area Weightage @ 8%	14.80							
	Total	199.80							
10	Lead for disposal of debris shall be payable at Carriage rates by mechanical means with all lead and lift, loading, undloading and labour charges etc.,complete and as per the directions of the Engineer-in-charge of the work.	Cum							
			(Qty. vide Item No. 1)				348.30	67.32	23447.56
	2 Kms Lead Charge	5.12	Rates to be got approved by the competent authority						
	Loading and Unloading	62.2							
		67.32							
11	**Miscellaneous & Unforeseen Charges**								372.06
	(Rupees Thirteen Lakhs Only)								1300000.00

CERTIFICATE

1 Certified that I have personally inspected the area and prepared the estimate.
2 Certified that the work proposed in this estimate is not including in any other scheme.
3 Certified that the estimate is prepared as per 2010-11 SR of PWD.
4 This works is not split up.

Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Kodigehalli Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Administrative Sanction for Rs. 13,00,000/-
Thirteen lakhs only
is accorded under head P1771
Road 2010-11
registered as ~~CE~~ SE No. 4/2010-11/ Subject
to Conditions contained in enclosed memo
No. 04/2010-11/ Dr.
AE/JE SE (BTP) CE (BTP)
13/1

Technical Sanction for Rs. 13. 00 lakhs
Thirteen lakhs
under P1771
Pow 2010-11
registered as ~~CE~~ SE 06/10-11/ Subject
to Conditions cont... ...ed memo
No. 06/10-11/ Dr.
... (BTP) CE (BTP)
13/1
SE